# R5 RA 0165–0305 D

**Oil-lubricated rotary vane vacuum pumps**

VACUUM SOLUTIONS

Part of the BUSCH GROUP


## Reliable

Robust construction, highly resilient carbon fiber vanes, proven rotary vane technology, long service life

## High performance

High pumping speed at low pressures, designed for continuous operation in the rough vacuum range

## Flexible

Various design options available, easy adaption to individual customer requirements and processes

Accessories, spare parts and options

- Gas-ballast valve
- Various inlet filters
- Energy recuperation kit with heat exchanger
- Oil level switch
- Temperature sensors
- Filter pressure gauge
- Vacuum pump oils for all applications
- Vacuum regulating unit
- ECOTORQUE Variable speed drive
- Aqua version
- ATEX version
- Oxygen version

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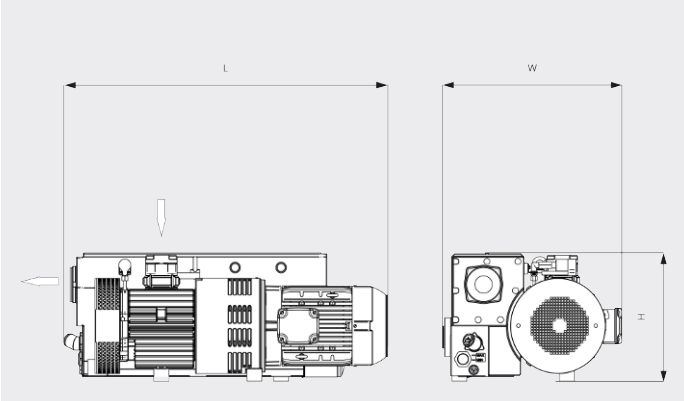
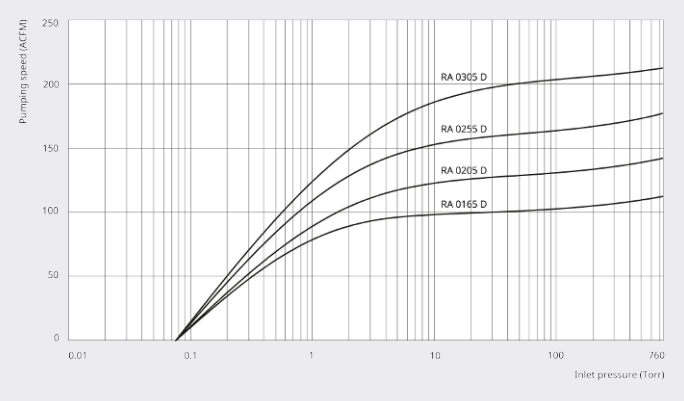
Dimensional drawing




Pumping speed

Air at 70°F. Tolerance: ± 10%




| | R5 RA 0165 D | R5 RA 0205 D | R5 RA 0255 D | R5 RA 0305 D |
|---|---|---|---|---|
| **Nominal pumping speed** | 112 ACFM | 141 ACFM | 177 ACFM | 212 ACFM |
| **Ultimate pressure (Gas-ballast valve closed)** | 0.075 Torr | 0.075 Torr | 0.075 Torr | 0.075 Torr |
| **Ultimate pressure (Gas-ballast valve open)** | 0.375 Torr | 0.375 Torr | 0.375 Torr | 0.375 Torr |
| **Nominal motor rating** | 7.5 hp | 7.5 hp | 10.0 hp | 12.0 hp |
| **Nominal motor speed** | 1800 rpm | 1800 rpm | 1800 rpm | 1800 rpm |
| **Power consumption at 75 Torr** | 6.3 hp | 7.0 hp | 8.8 hp | 9.6 hp |
| **Power consumption at ultimate pressure** | 3.9 hp | 5.4 hp | 6.0 hp | 6.8 hp |
| **Sound pressure level (ISO 2151), KpA = 3 dB** | 72 dB(A) | 74 dB(A) | 74 dB(A) | 76 dB(A) |
| **Oil capacity** | 7.0 qts. | 7.0 qts. | 7.0 qts. | 7.0 qts. |
| **Weight approx.** | 435 Lbs. | 435 Lbs. | 520 Lbs. | 520 Lbs. |
| **Dimensions (L x W x H)** | 40 x 23.3 x 16.1 inches | 40 x 23.3 x 16.1 inches | 43.1 x 23.3 x 16.5 inches | 43.1 x 23.3 x 16.5 inches |
| **Gas inlet / outlet** | 2" NPT / 2" NPT | 2" NPT / 2" NPT | 2" NPT / 2" NPT | 2" NPT / 2" NPT |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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CONTACT FORM

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